

Felix Tiet

ftiet21@gmail.com | ftiet.com

Education

Vanderbilt University

B.S., Computer Science & B.E., Chemical Engineering

Nashville, TN

August 2015 - May 2019

Relevant Coursework (*currently enrolled*)

Intermediate Software Design

Computer Organization

Algorithms

Program Design and Data Structures

Discrete Structures

Web-based System Architecture

Principles of Operating Systems

Programming Languages

Principles of Software Engineering

Work Experience

Vanderbilt Multiscale Modeling and Simulation Research Facility

Undergraduate Research Assistant

Nashville, TN

May 2016 - Present

- Investigate energy storage systems and ionic liquids through Molecular Dynamics simulations
- Build and analyze simulations using software packages such as GROMACS and other analysis tools
- Automate MD simulations by developing various software packages

CodeDay - StudentRND

Day-of Volunteer, Photographer

San Francisco, CA & Nashville, TN

May 2016 - Present

- Mentor and interact with 100+ attendees
- Assist with day-of logistics and photography

Leadership

VandyHacks

Director of Communications (Spring 2016-Present)

Nashville, TN

December 2015 - Present

- Reach out and maintain connections with 15+ representatives of other schools and hackathons
- Maintain various VandyHacks social media pages
- Market and publicize VandyHacks to 10,000+ students and mentors nationwide
- Assist in mini-hackathon Hacker Nights leading up to VandyHacks III
- Hosted 450+ attendees at VandyHacks III

QuestBridge

Head Ambassador

Nashville, TN

August 2016 - May 2017

- Organize and coordinate Ambassador events, including Calling Campaigns and Essay Coaching
- Increase awareness of QuestBridge scholars program through local outreach

Publications

- Osti, N. C., Van Aken, K. L., Thompson, M. W., **Tiet, F.**, Jiang, D., Cummings, P. T., Gogotsi, Y., Mamontov, E. (2016) Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. *J. Phys. Chem. Lett.*, 2017, 8(1), 167–171
- Osti, N. C., Dyatkin, B., Thompson, M. W., **Tiet, F.**, Zhang, P., Dai, S., ... & Mamontov, E. (2017). Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. *Physical Review Materials*, 1(3), 035402.

Skills

Technical Skills: Proficient - C++, Python, Java, Bash/UNIX, Git

Experienced - HTML, CSS, MATLAB

Language Skills: Fluent in English & Mandarin